CLAIMS

1. An evaporator for a refrigeration system, comprising a tube provided with fins and bent in the form of a coil, conducting a refrigerating fluid therewithin and comprising tube portions (20a) arranged parallel to each other and which are transversal to the direction of a forced airflow (F) that passes externally through the evaporator (10), from a first end region (11) of air admission to a second end region (12) of air outlet of the evaporator (10), characterized in that the tube (20) has its tube portions (20a) arranged as a coil (S), having an inlet end (21) provided in the second end region (12) of the evaporator (10), and a outlet end (22) provided in the first end region (11) of the evaporator (10), so that the refrigerating fluid flows through the coil (S) in counterflow in relation to the forced airflow (F).

2. An evaporator according to claim 1, characterized in that the coil (S) comprises several parallel rows of tube portions (20a) that are connected in series at the opposite ends thereof.